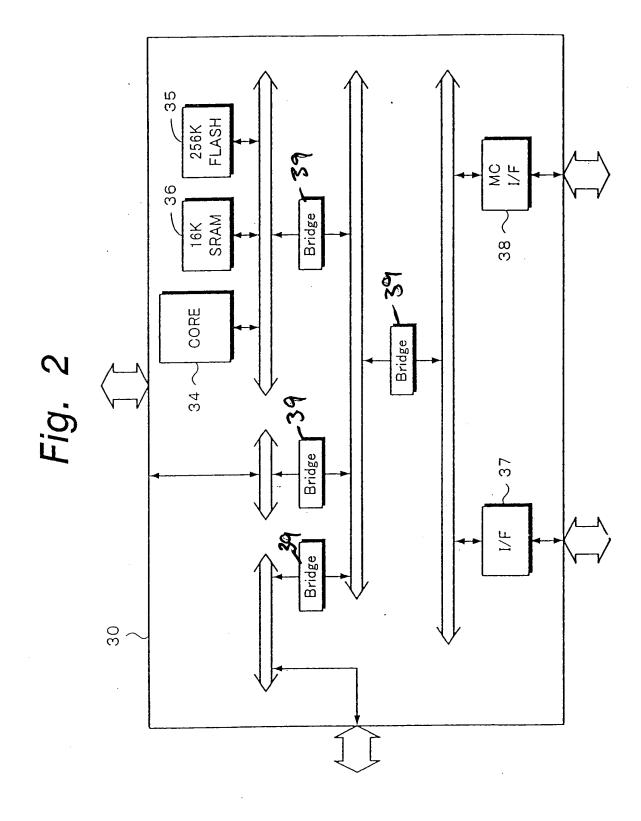
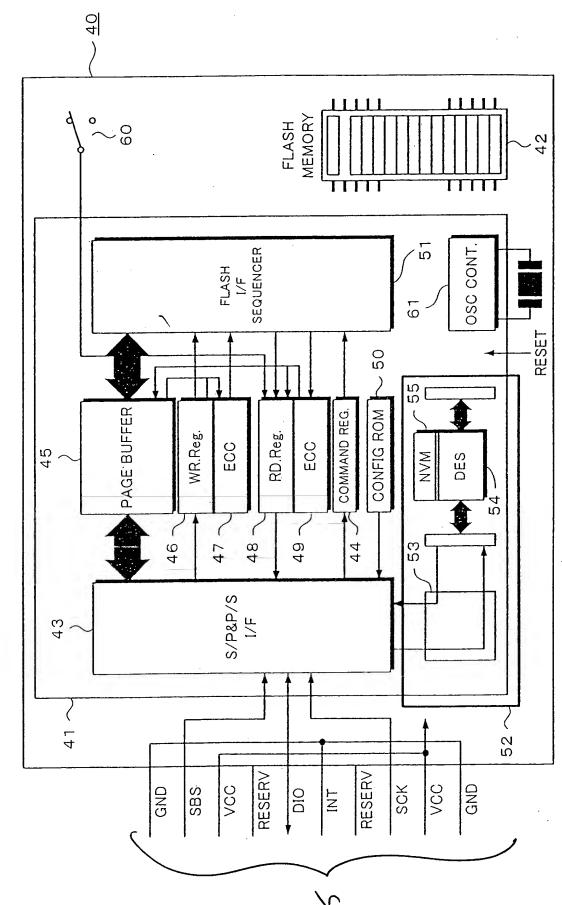
MEMORY CARD 30 SRAM DSP 40 BUS 31 32 SAM 23 22 20 7/F 7 12 ENC/ DEC 0, 1/F MUTING SRC 15 . 14 DIN ' RECEIVER D/A A/D $\frac{7}{2}$ LineOUT LineIN BUS 16 NIO <u>ო</u> 19 33 CD TUNER TAPE QW MD į,

•

Fig 1



To Recode / Huyer 1



APPLICATION PROCESS

FILE MANAGEMENT PROCESS

LOGICAL ADDRESS MANAGEMENT

PHYSICAL ADDRESS MANAGEMENT

FLASH MEMORY ACCESS

FILE SYSTEM PROCESS
HIERARCHY

Fig. 5

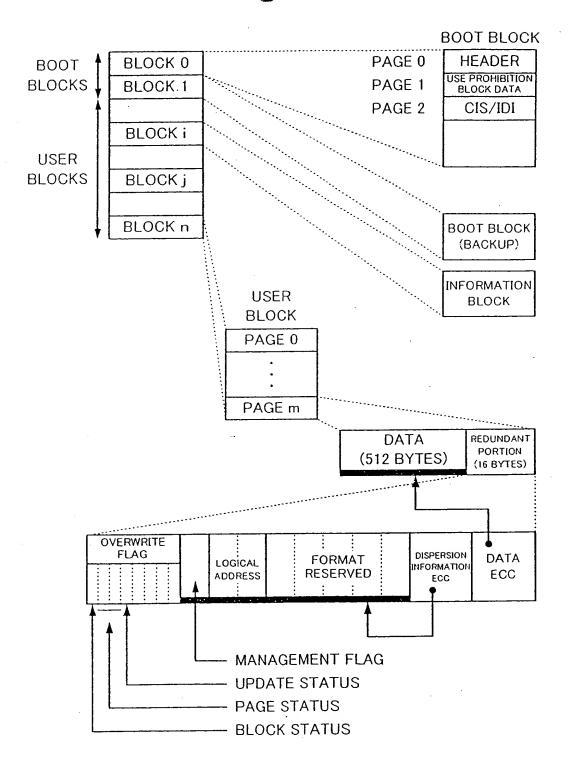
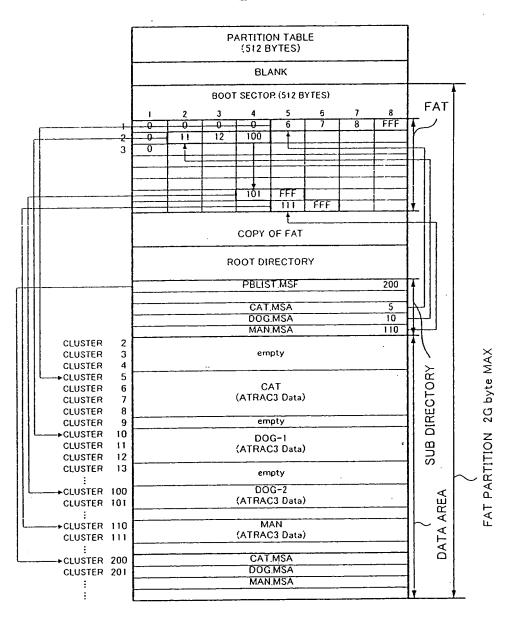


Fig. 6



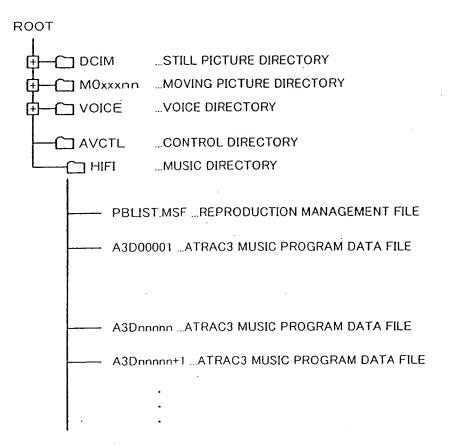


Fig. 8

REPRODUCTION MANAGEMENT FILE Header NM1-S NM2-S TRKTBL INF-S

Fig. 9

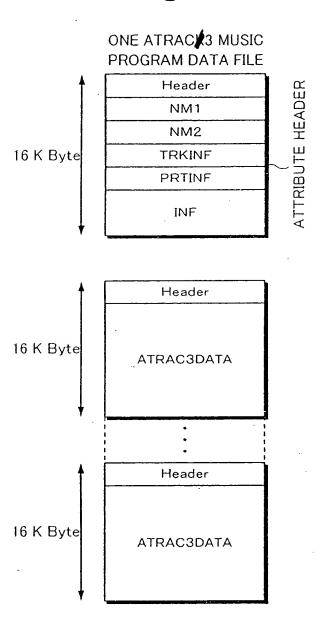


Fig. 10A

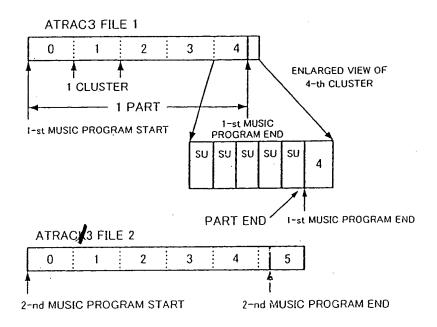


Fig. 10B

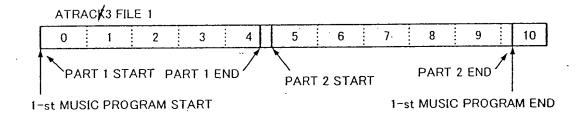
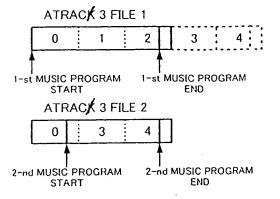


Fig. 10C



REPRODUCTION MANAGEMENT FILE (PBLIST)

| 5 6 7 8 9 | MCode REVISION | T-TRK VerNo | | | | | Reserved | 3 TRK-004 TRK-005 | 1 TRK-012 TRK-013 | | 5 TRK-396 TRK-397 | | MCode REVISION |
|-----------|--------------------|------------------------|------------|------------|----------|----------|----------|-------------------------|-------------------------|-------|-----------------------------|--------------|--------------------|
| 0 1 2 3 4 | BLKID-TL0 Reserved | SN1C+L SN2C+L SINFSIZE | NM1-S(256) | NM2-S(512) | Reserved | Reserved | α. | TRK-001 TRK-002 TRK-003 | TRK-009 TRK-010 TRK-011 | | TRK-393 TRK-394 TRK-395 | INF-S(14720) | BLKID-TLO Reserved |
| 0 | 0000X0 | 0X0010 SN1 | 0X0020 | 0X0120 NM2 | 0X0320 | 0X0330 | | 0X0350 TRK | | 78K78 | 0X0660 TRK | 0×0640 | 0X3FF0 |

| | | | 0 1 2 3 4 5 6 7 8 9 A B C D E |
|-------|----------|----------|---|
| Z:U | 101 | 0000X0 | BLKID-TLO Reserved MCode REVISION Reserved |
| 201 | 13. IA | 0X0010 | SN1C+L SN2C+L SINFSIZE T-TRK VerNo Reserved |
| | | | |
| | | 0X0020 | NM1-S(256) |
| | | 0X0120 | NM2-S(512) |
| | | 0X0320 | Reserved |
| | | 0X0330 | Reserved |
| | | | Reserved S-YMDhms |
| | | (0x0350 | TRK-001 TRK-002 TRK-003 TRK-004 TRK-005 TRK-006 TRK-007 TRK-008 |
| Z.i.i | 700 | 0X0360 | TRK-009 TRK-010 TRK-011 TRK-012 TRK-013 TRK-014 TRK-015 TRK-016 |
| | | | |
| | 1> | ~ | |
| | IZ) | Ox0660 | TRK-393 TRK-394 TRK-395 TRK-396 TRK-397 TRK-398 TRK-399 TRK-400 |
| | • | 0X0670 | INF-S(14720) |
| | | | |
| | | 0X3FF0 | BLKID-TLO Reserved MCode REVISION Reserved |
| | | | 0 1 2 3 4 5 6 7 8 9 A B C D E F |
| | | | INF 0x00 ID 0x00 SIZE MCode C+L Reserved DATA VARIABLE LENGTH |
| Zi. | Fig. 190 | | |
| | 7 | | |
| | | | |
| | | | |

| · · · · · · · · · · · · · · · · · · · | | | | | |
|---------------------------------------|---------------------------------------|----------|----|---------------------------------------|----------|
| ID | MUSIC INFORMATION (CHARACTERS) | | ID | URL INFORMATION (WEB) | |
| 0 | RESERVED | | 32 | RESERVED | |
| 1 | ALBUM | VARIABLE | 33 | ALBUM | VARIABLE |
| 2 | SUBTITLE | VARIABLE | 34 | SUB TITLE | VARIABLE |
| 3 | ARTIST | VARIABLE | 35 | ARTIST | VARIABLE |
| 4 | CONDUCTOR | VARIABLE | 36 | CONDUCTOR | VARIABLE |
| 5 | ORCHESTRA | VARIABLE | 37 | ORCHESTRA | VARIABLE |
| 6 | PRODUCER | VARIABLE | 38 | PRODUCER | VARIABLE |
| 7 | PUBLISHER | VARIABLE | 39 | PUBLISHER | VARIABLE |
| 8 | COMPOSER | VARIABLE | 40 | COMPOSER | VARIABLE |
| 9 | SONG WRITER | VARIABLE | 41 | SONG WRITER | VARIABLE |
| 10 | ARRANGER | VARIABLE | 42 | ARRANGER | VARIABLE |
| 11 | SPONSOR | VARIABLE | 43 | SPONSOR | VARIABLE |
| 12 | СМ | VARIABLE | 44 | CM | VARIABLE |
| 13 | GUIDE | VARIABLE | 45 | GUIDE | VARIABLE |
| 14 | ORIGINAL MUSIC PROGRAM TITLE | VARIABLE | 46 | ORIGINAL MUSIC PROGRAM NAME | VARIABLE |
| 15 | ORIGINAL ALBUM TITLE | VARIABLE | 47 | ORIGINAL MUSIC PROGRAM ALBUM NAME | VARIABLE |
| 16 | ORIGINAL MUSIC PROGRAM COMPOSER | VARIABLE | 48 | ORIGINAL MUSIC PROGRAM COMPOSER | VARIABLE |
| 17 | ORIGINAL MUSIC PROGRAM SONG WRITER | VARIABLE | 49 | ORIGINAL MUSIC PROGRAM SONG WRITER | VARIABLE |
| 18 | ORIGINAL MUSIC PROGRAM ARRANGER | VARIABLE | 50 | ORIGINAL MUSIC PROGRAM ARRANGER | VARIABLE |
| 19 | ORIGINAL MUSIC PROGRAM PERFORMER | VARIABLE | 51 | ORIGINAL MUSIC PROGRAM PERFORMER | VARIABLE |
| 20 | MESSAGE | VARIABLE | 52 | | |
| 21 | COMMENT | VARIABLE | 53 | | ļ |
| 22 | WARNING | VARIABLE | 54 | | ļ |
| 23 | GENRE | VARIABLE | 55 | | ļ |
| 24 | | | 56 | | |
| 25 | | | 57 | | |
| 26 | | | 58 | | |
| 27 | | | 59 | | |
| 28 | | | 60 | | |
| 29 | | | 61 | | ļ |
| 30 | | | 62 | | ļ· |
| 31 | | | 63 | | <u> </u> |

| ID | PATH/OTHERS | | ID | CONTROL/NUMERIC DATA INFORMATION | |
|----|------------------------------|----------|-----|--|----------|
| 64 | RESERVED | | 96 | RESERVED | |
| 65 | PATH TO VIDEO DATA | VARIABLE | 97 | ISRC | . 8 |
| 66 | PATH TO SONG DATA | VARIABLE | 98 | TOC_ID | 8 |
| 67 | PATH TO MIDI DATA | VARIABLE | 99 | UPC/JAN | 7 |
| 68 | PATH TO GUIDE DATA | VARIABLE | 100 | RECORDED DATE (YMDhms) | 4 |
| 69 | PATH TO COMMENT DATA | VARIABLE | 101 | RELEASED DATE | 4 |
| 70 | PATH TO CM DATA | VARIABLE | 102 | ORIGINAL MUSIC PROGRAM RELEASED DATE (YMDhms) | 4 |
| 71 | PATH TO FAX DATA | VARIABLE | 103 | RECORDED DATE (YMDhms) | 4 |
| 72 | PATH TO COMMUNICATION DATA 1 | VARIABLE | 104 | SUB TRACK | 4 |
| 73 | PATH TO COMMUNICATION DATA 2 | VARIABLE | 105 | AVERAGE VOLUME LEVEL | 1 |
| 74 | PATH TO CONTROL DATA | VARIABLE | 106 | RESUME | - 4 |
| 75 | | | 107 | REPRODUCTION LOG (YMDhms) | 4 |
| 76 | | | 108 | NUMBER OF REPRODUCTION TIMES (FOR LEARNING) | 1 |
| 77 | | | 109 | PASSWORD 1 | 16 |
| 78 | | | 110 | APPLevel | . 16 |
| 79 | <u> </u> | | 111 | GENRE CODE | 1 |
| 80 | | | 112 | MIDI DATA | |
| 81 | | ., | 113 | THUMB NAIL PHOTOGRAPH DATA | |
| 82 | | | 114 | TEXT MULTIPLEXED BROADCAST DATA | |
| 83 | | | 115 | NUMBER OF TOTAL MUSIC PROGRAMS | |
| 84 | | | 116 | SET NUMBER | |
| 85 | | | 117 | NUMBER OF TOTAL SETS | |
| 86 | | | 118 | REC POSITION INFORMATION - GPS | VARIABLE |
| 87 | | | 119 | PB POSITION INFORMATION - GPS | VARIABLE |
| 88 | | | 120 | REC POSITION INFORMATION - PHS | VARIABLE |
| 89 | | | 121 | PB POSITION INFORMATION - PHS | VARIABLE |
| 90 | | | 122 | CONNECTION DESTINATION TELEPHONE NUMBER 1 | VARIABLE |
| 91 | | | 123 | CONNECTION DESTINATION TELEPHONE NUMBER 2 | VARIABLE |
| 92 | | | 124 | INPUT VALUE | VARIABLE |
| 93 | | | 125 | OUTPUT VALUE | VARIABLE |
| 94 | | | 126 | PB CONTROL DATA | VARIABLE |
| 95 | | | 127 | REC CONTROL DATA | VARIABLE |

| ID | SYNCHRONOUS REPRODUCTION INFORMATION | |
|-----|--|----------|
| 128 | RESERVED | |
| 129 | SYNCHRONOUS REPRODUCTION INFORMATION I | VARIABLE |
| 130 | SYNCHRONOUS REPRODUCTION INFORMATION 2 | VARIABLE |
| 131 | SYNCHRONOUS REPRODUCTION INFORMATION 3 | VARIABLE |
| 132 | SYNCHRONOUS REPRODUCTION INFORMATION 4 | VARIABLE |
| 133 | SYNCHRONOUS REPRODUCTION INFORMATION 5 | VARIABLE |
| 134 | SYNCHRONOUS REPRODUCTION INFORMATION 6 | VARIABLE |
| 135 | | |
| 136 | | |
| 137 | | |
| 138 | EMD INFORMATION 1 | VARIABLE |
| 139 | EMD INFORMATION 2 | VARIABLE |
| 140 | | |
| 141 | | |
| 142 | | |
| 143 | | |
| 144 | | |
| 145 | | |
| 146 | | |
| 147 | | |
| 148 | | |
| 149 | | |
| 150 | | |
| 151 | | |
| 152 | | |
| 153 | • | |
| 154 | | |
| 155 | | |
| 156 | | |
| 157 | | |
| 158 | | |
| 159 | | |

Fig. 16A

| _ | | | | 4 5 | | | | | | | | | |
|----|------|----|------|------|------|----|-----|-------|----|-------|--------|------------|---|
| IN | 0×00 | ID | 0×00 | SIZE | Мсос | le | C+L | Resev | ed | VARIA | ABLE I | _ENGT E | н |

Fig. 16B

| ID | | AR | TIST | SI | ZE | | AS | CII E | NGLI | SH | | | DATA | ١ | |
|-----|--------|----|------|------|-------|----|-----|-------|------|------|------|---|------|---|---|
| 0×6 | 9 0×00 | 3 | 0×00 | 0x10 | C(28) | Мс | ode | 0×01 | 0×09 | 0×00 | 0×00 | S | I | М | 0 |
| N | & | G | R | Α | F | U | N | κ | E | L | 0x00 | | | | |

Fig. 16C

| | | | | | | | ID | | ISRC | |
|----------|-------|------|------|------|------|---------|-------|------|------|------|
| SIZE | ВП | NARY | пот | SET | | | 0×69 | 0×00 | 97 | 0x00 |
| 0x14(20) | Mcode | 0×00 | 0×00 | 0×00 | 0×00 | ISRC Co | de 8t | yte | | |
| | | | | | | DATA | | | | |

Fig. 16D

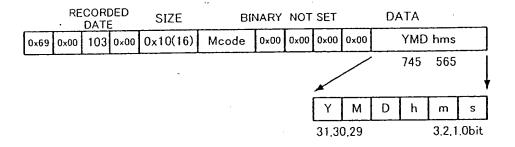
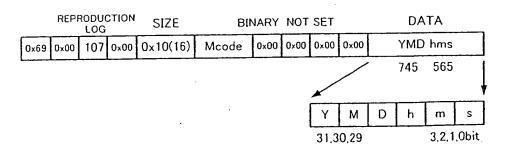


Fig. 16E



A3Dnnnnn.MSA(ATRAC3 DATA FILE)

| | 0 | 1 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Α | В | С | D | E | F |
|--------|---------------|--------|---------|---------|---------------|--------|-----|----------|-------------|--------|------|----------|----------|-------|----|
| 0x0000 | BLKI | D-HD0 | | Reserve | d | MCod | le | F | Resev | ed | | BLC | CK S | SERIA | 니 |
| 0x0010 | N1C+L | N2C+ | | INFSIZ | Е | T-PR | lT. | | T-S | U | | IN) | <u> </u> | XT | _ |
| 0x0020 | NM1(256 | 3) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 0x0120 | NM2(512 | 2) | | | | - | | | | | | | | | |
| | | | | | | | | | | | | | | | İ |
| 0x0310 | | | | | | | | | | | | | | | |
| 0x0320 | | Re | serv | /ed(8) | | | | | | CONT | | | ΞΥ | | |
| | | Re | serv | /ed(8) | | | | | | | MAC | | r | | _ |
| | | | | Rese | erv | ed(12) | | | | | | <u> </u> | LT | FNo | 2 |
| | | | | | | MG(D) | SE | | | | | | | | |
| 0x0360 | CO | MUNN | | YM | Dhi | ms-S | | 1Y | MDhm | ıs-E | | | | | CN |
| 0x0370 | PR' | TSIZE | | | | PR | TKE | | , | | | | erved | | |
| 0x0380 | | | | CO | NN | IUM0 | | | SIZE(| 0x0388 |) _ | | PRT | | |
| 0×0390 | | | \perp | | | Re | sen | ved(8) | | | | C | ONN | UMO | |
| | INF(0x04 | 400) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Ì |
| | | | | | | | | | | • | | | | | |
| | | | | | | | | | | | | | | | |
| 0x3FFF | BLK | ID-HD0 | | Reserve | \rightarrow | MCod | _ | | Resev | | _ | | | SERIA | |
| 0x4000 | BLK | ID-A3D | | Reserve | :d | MCoo | de | <u>C</u> | ONNI | | | | | SERIA | |
| 0x4010 | | BLC | CK | SEED | | | | | INI | TLIZAT | 101 | | CIO | H | |
| 0x4020 | | | | | | | | | | | | | | | |
| | | | | | SU | J-000(| Nby | te=384 | lbyte |) | | | | | |
| | | | | | | | _ | | | | | | | | |
| 0x41A0 | | • | | | | | | . | , | | | | | | |
| | | | | | | SU- | 001 | (Nbyte | e) | | | | | | |
| | | | | | | | | | | | | | | | |
| 0x4320 | | | | | | | | /s.u | , | | | | | | |
| | SU-002(Nbyte) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 0x04A0 | | | | | | | | | | | | | | | |
| | SU-041(Nbyte) | | | | | | | | | | | | | | |
| 0x7DA0 | L | | | | | | | | | | | | | | |
| | | | • | | Res | served | (Nb | vte≃20 |)8bvt | e) | | | | | |
| 0x7F20 | | | | | | | | , I | , - | | | | | | |
| | <u> </u> | | OCK | SEED | | | | | | | | | 2011 | 0551 | |
| 0x7FF0 | BLK | ID-A3D | 1 | Reserve | ed | MCo | de | C | ONN | UM0 | | RT(| JUK | SERIA | \L |

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Α | В | С | D | E | F |
|--------|-------|------|---------------|-----|-------|-----|------|----|---|-------|----|---|-----|-------------|------|---|
| 0x0000 | BL | KID | -HD0 | | Reser | ved | MCo | de | f | Resev | ed | | BLO | CK S | ERIA | L |
| 0x0010 | N1C+ | L | N2C | +L_ | INFSI | ZE | T-PF | RT | | T-S | U | | INX | | XT | |
| 0x0020 | NM1(2 | 256) | | | | | | | | | | | | | | |
| 0x0120 | NM2(5 | 12) | . | | | | | | | | | | | | | |
| 0x0310 | | | | | | | | | | | | | | | |] |

Fig. 19

| 0x0320 | Rese | ved(8) | CONT | ENTSK | ŒΥ | | |
|--------|--------|--------------|----------|-------|----|----|----|
| | Rese | ved(8) | N | 1AC | | | |
| | | Reserved(12) | | Α | LT | F١ | 10 |
| | | MG(D)SE | RIAL-nnn | | | | |
| 0x0360 | CONNUM | YMDhms-S | YMDhms-E | МТ | CT | CC | CN |

Fig. 20

bit7:MODE OF ATRAC3 0:Dual 1:Joint bit6,5,4 N OF 3 BITS:MODE VALUE

| N | MODE | TIME | TRANSMISSION RATE | SU | BYTES |
|-----|------|--------|----------------------|-------|-------|
| 7 | HQ | 47min | 176kbps | 31SU | 512 |
| 6 | | 58min | 146kbps | 38SU | 424 |
| 5 | EX | 64min | 132kbps | 42SU | 384 |
| 4 | SP | 81min | 105kbps | 53SU | 304 |
| 3 | | 90min | 94kbps | 59SU | 272 |
| 2 | LP | 128min | 66kbps | 84SU | 192 |
| - 1 | mono | 181min | 47kbps | 119SU | 136 |
| 0 | mono | 258min | 33kbps | 169SU | 96 |

bit3:Reserved

bit2:DATA TYPE 0:AUDIO 1:OTHER
bit1:REPRODUCTION SKIP 0:NORMAL REP 1:SKIP

bit0:EMPHASIS 0:OFF 1:ON(50/15 μ S)

bit7 :COPY PERMISSION

0:COPY PROHIBITION

1:COPY PERMISSION

bit6 :GENERATION

0:ORIGINAL

1:FIRST OR LATER COPY GENERATION

HCMS bit5-4 :COPY CONTROL FOR HIGH SPEED DIGITAL COPY

00:COPY PROHIBITION 01:COPY FIRST GENERATION 10:COPY PERMISSION

COPY OF FIRST COPY GENERATION IS PROHIBITED.

bit3-2 MagicGate AUTHENTICATION LEVEL

00:Level10(Non-MG)

01:Level1

10:Level2

11:Reserved

DIVIDE AND COMBINE ARE PROHIBITED IN OTHER THAN LEVEL 10.

bit1.0 Reserved

Fig. 22

| 0x0370 | PRTSIZE | PRTK | PRTKEY | | | | | |
|--------|---------|---------|-----------------|--------|--|--|--|--|
| 0×0380 | | CONNUM0 | PRTSIZE(0x0388) | PRTKEY | | | | |
| 0x0390 | · | Rese | CONNUM0 | | | | | |

| 0×4000 | BLKID-A3D | Reserved | MCode | CONNUM0 | BLOCK SERIAL | | | | | | | | | |
|--------|-----------|-----------------------|-------|----------------------|--------------|--|--|--|--|--|--|--|--|--|
| 0x4010 | BLOCK | SEED | | INITILIZATION VECTOR | | | | | | | | | | |
| 0x4020 | 1 | | | | | | | | | | | | | |
| | | SU-000(Nbyte=384byte) | | | | | | | | | | | | |
| | | - | | , , | | | | | | | | | | |

Fig. 24A

Fig. 24 Fig. 24A Fig. 24B Fig. 24C

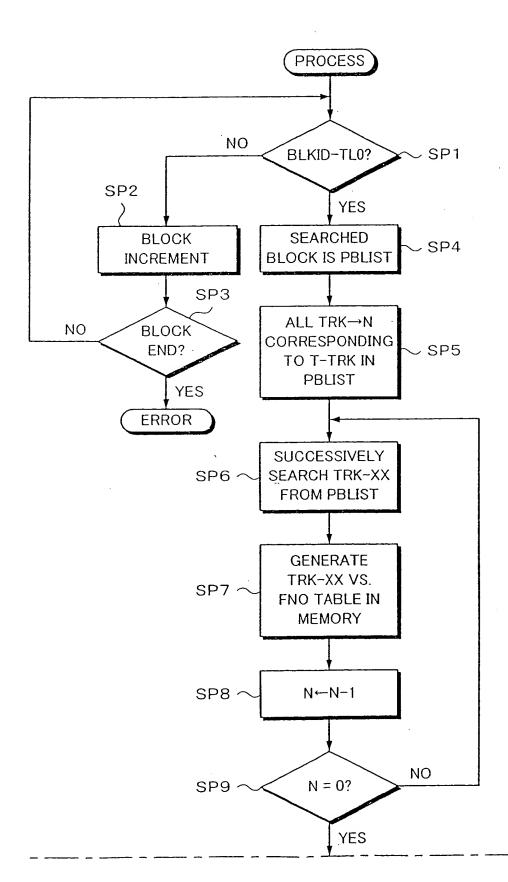


Fig. 24B

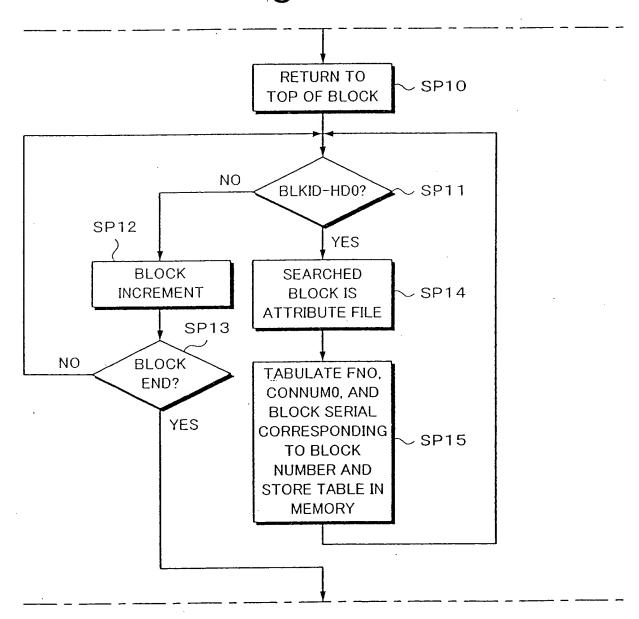
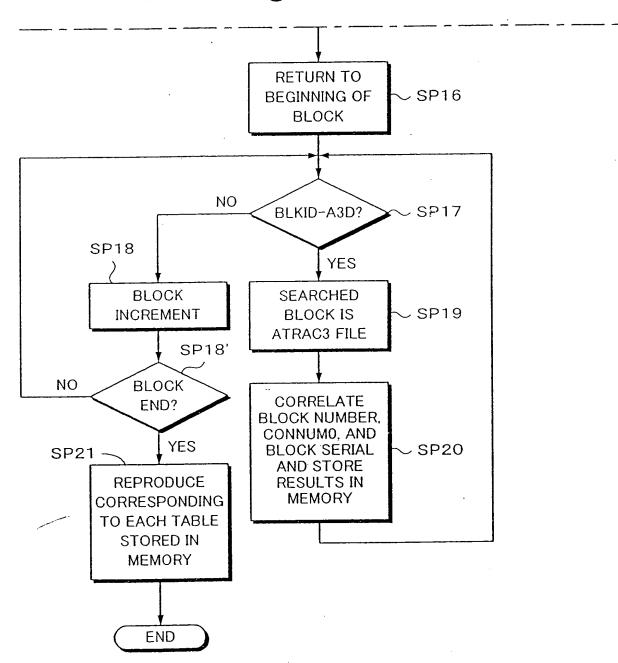


Fig. 24C



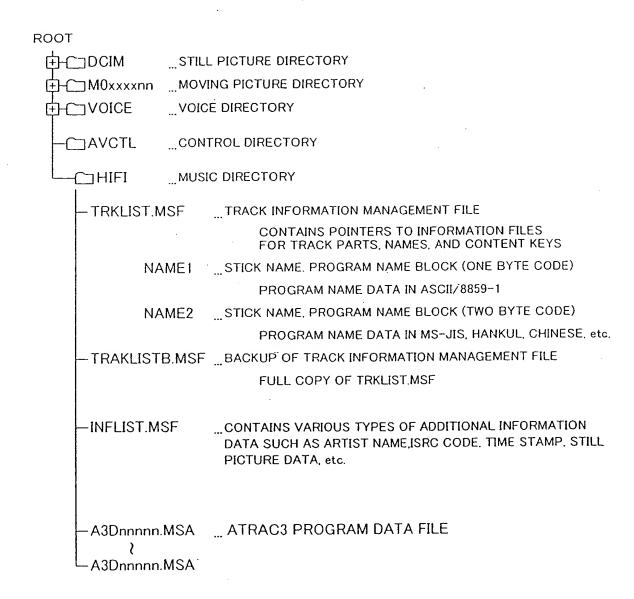
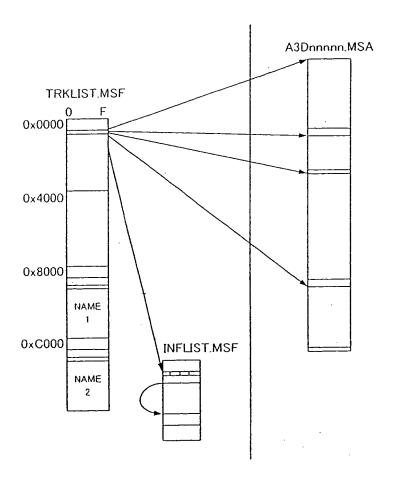


Fig. 26



TRACK INFORMATION MANAGEMENT FILE (TRKLIST.MSF)

| | 0 | 1. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Α | В | С | D | Ε | F |
|--------|------------------------|----------|------|--------|----------------|------------|----------|--------|-------------|-----------|------|------|------------|------|------|---|
| 0x0000 | Bl | K IC |)-TI | _0 | T-1 | rrk | МС | ode | R | EVI: | 1012 | 1 | Υ | MD | h m | 3 |
| 0x0010 | N1 | N2 | MS | SID | S- | S-TRK PASS | | | AP | APP INF-S | | | S_YMD h ms | | | |
| 0×0020 | | | | | TRKINF-001 | | | | | | | | | | | |
| | PRTINF-001 | | | | | | | | | | | | | | | |
| | TRKINF-002 | | | | | | | | | | | | | | | |
| - | PRTINF-002 | | | | | | | | | | | | | | | |
| | | ζ | | | | | | | | | | | | | | |
| | | , | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | . | | , | | | | | | | |
| 0x3FF0 | В | LK I |)-T | LO | MCode REVISION | | | | | | | _ | | | | |
| 0x4000 | В | LK I |)-T | L1 | | | МС | ode | R | REVISION | | | | | | |
| | | | | | | | | (| , } | | | | | | | |
| | | | | ٥. | T A 1 | | . TO | L/1811 | F-nn | /D | DTI | VIE- | ากก | | | |
| | 0 | 1 | 2 | | 1 A1 | | | 7 | | | | | С | D | Ε | F |
| | | LT | | VF | · | FNM | | | | | NTE | | S KE | Y-r | กก | |
| | | <u> </u> | -nr | | ! _ | | | | I RIA | l -nı | | | | | | |
| | | APP | CT | | CC | | | | P-1 | | 1 | T | | INX- | ากกา | 1 |
| | | MDF | | | 1 | MDI | nms- | -E | мт | СТ | СС | CN | 1 | Rese | rve | ď |
| | PR | Π | A-1 | 0000 | PF | RTSIZ | ZE-0 | 000 | | L | PR | TKE | Y-0 | 000 | | |
| | \ \ \ \ | | | | | | | | | | | | | | | |
| | PR A-nnnn PRTSIZE-nnnn | | | | | | | | PRTKEY-nnnn | | | | | | | |
| | | | 170 | | | | | | | | | | | | | |
| 0x7FF0 | В | LK I | D-T | L1 | | | МС | ode | F | (" | | | | | | |

Fig. 28

STICK NAME, PROGRAM NAME BLOCK - 1-BYTE AREA

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
|----------|---|--------|-------|-----|----------|-------------|----|-----|--|--|--|
| 0×8000 | | BLK I |)-NM1 | | | | МС | ode | | | |
| 0×8008 | | PNM | 11-S | | PNM1-001 | | | | | | |
| 0x8010 | | PNM1 | 1-002 | | PNM1-003 | | | | | | |
| | | | | , | 5 | | | | | | |
| . 0x8668 | | PNM1 | 1-408 | | NM1 | - \$ | | | | | |
| | | | NM1-0 | 001 | | | | | | | |
| | | • | NM1-0 | 002 | | | | l | | | |
| | | | NM1-0 | 003 | | | | i | | | |
| | | | 5 | | | | | l | | | |
| | | | NM1-4 | 108 | | | | 1 | | | |
| 0xBFF0 | | | | | | | | | | | |
| 0xBFF8 | | BLK IC |)-NM1 | | | | MC | ode | | | |

Fig. 29

STICK NAME, PROGRAM NAME BLOCK - 2-BYTE AREA

| | 0 | _ 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
|--------|---|--------|-------------------------|-----|----------|-----|----------|-----|--|--|
| 0×C000 | | BLK II | D-NM2 | | MCode | | | | | |
| 0×C008 | | PNN | 12-S . | | | PNM | 2-001 | | | |
| 0xC010 | | PNM: | 2-002 | | PNM2-003 | | | | | |
| | | | | | 5 | | <u> </u> | | | |
| 0xC668 | | PNM | 2-408 | | NM2 | !-S | | | | |
| | | | NM2-0 NM2-0 NM2-0 | 002 | | | | | | |
| | | | 5 | | | | | | | |
| 0xFFF0 | | | NM2- | 408 | | | | | | |
| 0xFFF8 | | BLK II | D-NM2 | | | | МС | ode | | |
| | | | | | | | | | | |

ATRAC3 DATA FILE (A3Dnnnnn.MSA) · · · 1 SoundUnit:N BYTES

| | 0 | 1 | 2 | 3 | 4 | .5 | 6 | 7 | | | | | |
|----------------|----------------------|--------|-------|--------------|----------|-------|--------|-------------|--|--|--|--|--|
| 0x0000 | | BLK IC |)-A3D | | | | МС | ode | | | | | |
| 0×0008 | | | | BLOCK | (SEED | | · | | | | | | |
| 0×0010 | | CON | 0MUI | | E | BLOCK | SERIAL | | | | | | |
| 0×0018 | INITILIZATION VECTOR | | | | | | | | | | | | |
| 0×0020 | SU-000 (N byte) | | | | | | | | | | | | |
| 0×0020 +N/8 | | | | SU-001 | (N byte) | | | | | | | | |
| | | | | SU-002 | (N byte) | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | • | | | | | | | |
| | | | | | 5 | | | | | | | | |
| | | | •• | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | SU-(nnn- | 1) (N by | te) | | | | | | | |
| 0x3FF0 | | | | | | | | | | | | | |
| -N/8 | | | | Reserve | d (M byt | e) | | | | | | | |
| 0x3FF0 | | | | BLOC | K SEED | | | | | | | | |
| 0x3FF8 | | BLK I | D-A3D | | T | | M | Code | | | | | |
| 3,0 | L | | | | | | | | | | | | |

ADDITIONAL INFORMATION MANAGEMENT FILE (INFLIST.MSF)

| | 0 1 2 | 3 4 5 6 | 7 8 9 A E | BCDEF | | | | | | | | | | |
|--------|---------------|---------------|---------------------------------------|---------|--|--|--|--|--|--|--|--|--|--|
| 0×0000 | BLK ID-INF | T-DAT MCode | YMDhms | INF-409 | | | | | | | | | | |
| 0x0010 | INF-001 | INF-002 | INF-003 | INF-004 | | | | | | | | | | |
| 0x0020 | INF-005 | INF-006 | INF-007 | INF-008 | | | | | | | | | | |
| | 5 | 5 | \$ | \$ | | | | | | | | | | |
| 0x0660 | INF-405 | INF-406 | INF-407 | INF-408 | | | | | | | | | | |
| 0×07F0 | Reserved | | | | | | | | | | | | | |
| 0x0800 | DataSlot-0000 | | | | | | | | | | | | | |
| 0×0810 | | Datas | Slot-0001 | | | | | | | | | | | |
| | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | |
| | | | , | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0x3FF0 | | DataSlot- | 03 7F(895dec) | | | | | | | | | | | |
| 0×4000 | | DataS | Slot-03 8 0 | | | | | | | | | | | |
| | | | 5 | | | | | | | | | | | |
| | ŀ | DataSlot-FFFF | (MAXIMUM VAL | UE) | | | | | | | | | | |

Fig. 32

ADDITIONAL INFORMATION DATA STRUCTURE

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Α_ | 8 | C | υ | Ŀ | <u> </u> |
|----------------------|----|-----|----|----|-------|----|------|------|---|----|---|---|---|---|----------|
| IN | ID | SID | 00 | SI | ZE | мс | ode | | | | | | | | |
| VARIABLE LENGTH DATA | | | | | | | | | | | | | | | |
| | | | | ٧A | 1/1/- | | _ L. | _110 | 4 | | | | | | |

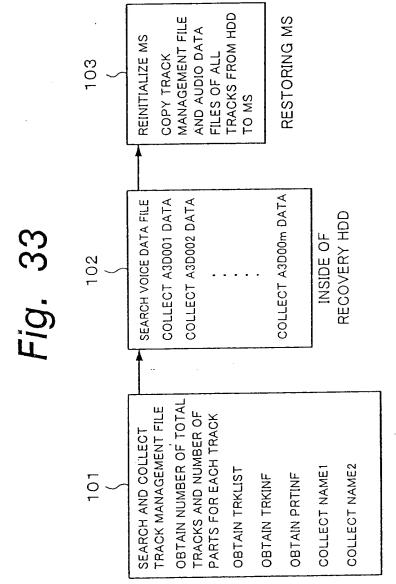
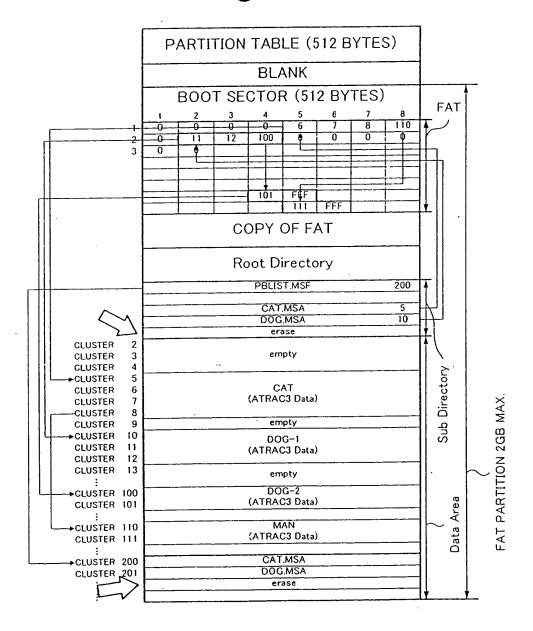


Fig. 34



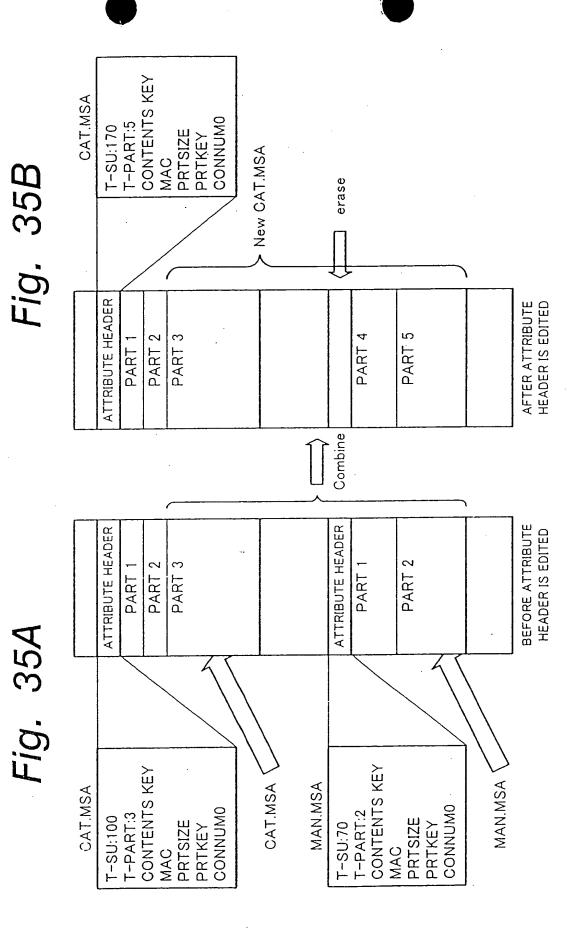


Fig. 36

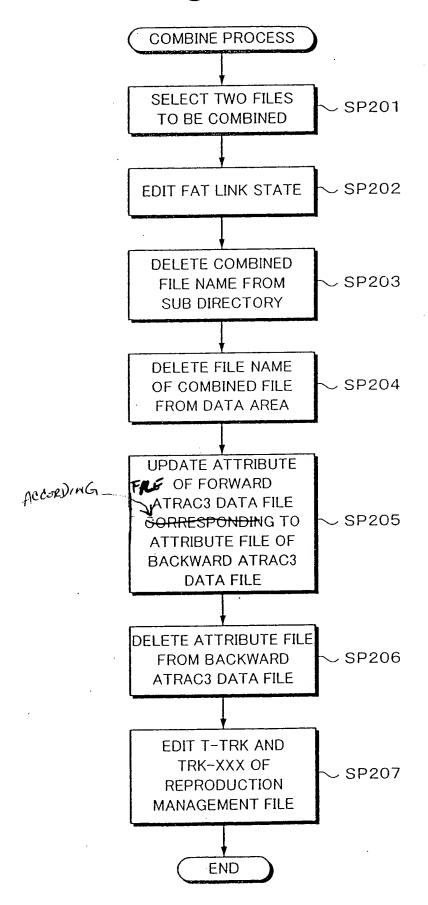
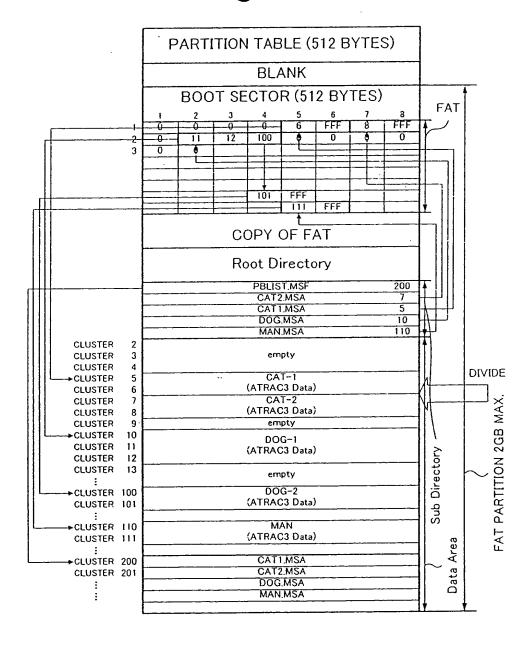


Fig. 37



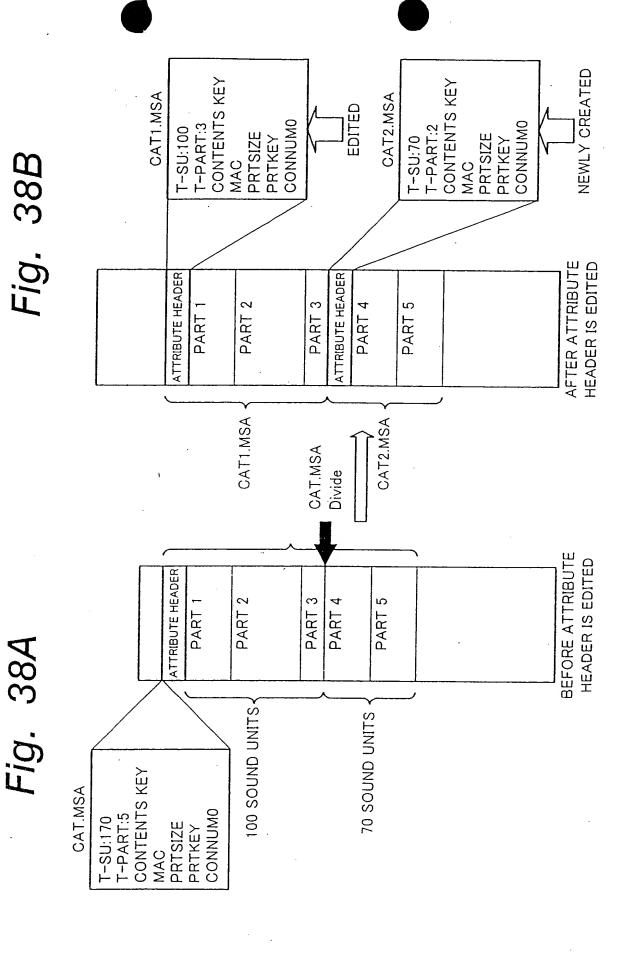


Fig. 39

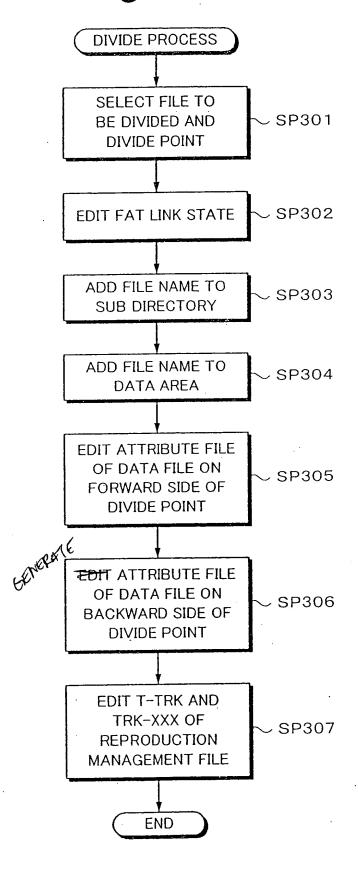
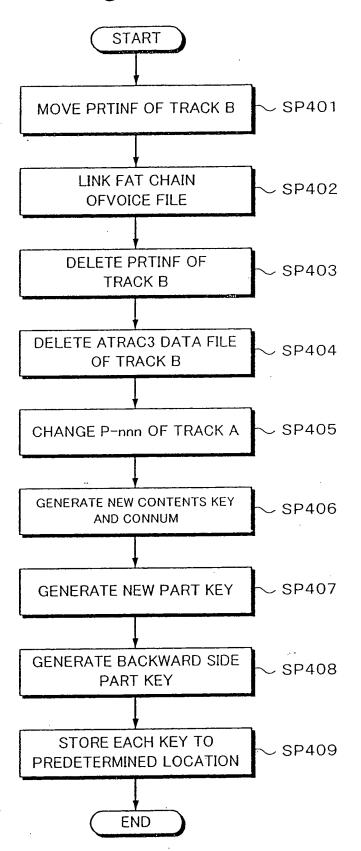


Fig. 40



4:

Fig. 41

